CLAIMS

The invention is hereby claimed as follows:

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- 1. A gaming device comprising:
 - a display device;
 - a processor in communication with the display device;
- a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;
- at least one set of values determined by the player's selection of the inputs; and
- at least one award generated by the processor by applying a Boolean OR operator to the values of the set.
- 15 2. The gaming device of Claim 1, wherein the Boolean OR operator generates the largest value of the set.
- 3. The garring device of Claim 1, which includes a plurality of sets that each yield an award by applying a Boolean OR operator to the sets and a resulting award provided to the player generated by the processor by performing at least one mathematical operation on the awards from the sets.

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4. The gaming device of Claim 1, which includes a plurality of sets that each yield an award by applying a Boolean OR operator to the sets and a resulting award provided to the player generated by applying at least one Boolean operator to the awards from the sets.

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- 5. The gaming device of Claim 4, wherein the at least one Boolean operator applied to form the resulting award is selected from: OR and AND.
- 6. A gaming device comprising:

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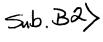
- a display device;
- a processor in communication with the display device;
- a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;
- a plurality of sets of values determined by the player's selection of the inputs;

a plurality of awards generated by applying a Boolean OR operator to the values of said sets; and

a resulting award generated by the processor by performing at least one mathematical operation on the awards generated from the sets.

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7. The gaming device of Claim 6, wherein the display device displays the inputs and reveals values associated with inputs that are not selected by the player.



- 8. A gaming device comprising:
 - a display device;
 - a processor in communication with the display device;
- a plurality of inputs adapted to be displayed by the display device to a player and a plurality of values associated with the inputs;
 - a plurality of sets of values determined by the player's selection of the inputs;
 - a plurality of awards generated by the processor by applying at least one Boolean operator to the values of the sets; and
 - a resulting award generated by the processor by applying at least one Boolean operator to the awards from the sets.
 - 9. A gaming device comprising:
 - a display device;
 - a processor in communication with the display device;
 - a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;
 - a plurality of sets of values determined by a player's selection of the inputs; and
- a plurality of awards generated by the processor by applying at least one Boolean OR operator to the values selected from different sets.
 - 10. The gaming device of Claim 9, wherein the Boolean OR operator generates the largest value of the at least one set.

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11. The gaming device of Claim 9, which includes a resulting award generated by performing at least one mathematical operation on the plurality of awards from the sets.

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- 12. The gaming device of Claim 9, which includes a resulting award generated by applying at least one Boolean operator to the plurality of awards from the sets.
- 10 13. The gaming device of Claim 12, wherein the at least one Boolean operator applied to form the resulting award is selected from: OR and AND.
 - 14. A gaming device comprising:
 - a display device;

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- a processor in communication with the display device;
- a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;
- a plurality of sets of values determined by the player's selection of the inputs;

- a plurality of awards generated by the processor by applying at least one Boolean OR operator values selected from different sets; and
- a resulting award generated by the processor by performing at least one mathematical operation to the plurality of awards from the sets.

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15. A gaming device comprising:

a display device;

a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of the inputs;

a plurality of awards generated by the processor by applying at least one Boolean operator to a plurality of values selected from different sets; and

a resulting award generated by the processor by applying at least one Boolean operator to the plurality of awards from the sets.

16. A gaming device comprising;

a display device;

a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of said inputs;

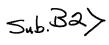
a plurality of awards generated by the processor by performing at least one mathematical operation on the values of the sets; and

a resulting award generated by the processor by applying at least one Boolean OR operator to the plurality of awards from the sets.

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- 17. The gaming device of Claim 16, wherein the Boolean OR operator generates the largest award from the sets.
- 18. A gaming device comprising:
- 5 a display device;
 - a processor in communication with the display device;
 - a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;
 - a plurality of sets of values determined by the player's selection of the inputs;
 - a plurality of awards generated by the processor by performing a plurality of mathematical operations on values selected from different sets; and
 - a resulting award generated by the processor by applying at least one Boolean OR operator to the plurality of awards.

- 19. The gaming device of Claim 17, wherein the mathematical operations are selected from the group consisting of: addition, subtraction, multiplication and division
- 20 20. The gaming device of Claim 18, wherein the Boolean OR operator generates the largest award from the sets.

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21. A gaming device comprising:

a display device; and

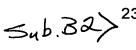
a processor which communicates with the display device, the processor and the display device adapted to:

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- (a) display a plurality of inputs;
- (b) generate values when a player picks the imputs;
- (c) display the values in at least one set of values; and
- (d) generate an award by applying a Boolean OR operator to the values in the at least one set.

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22. The gaming device of Claim 21, wherein the display device and the processor are adapted to apply the Boolean OR operator to the values and select the highest value.



23. A gaming device comprising:

a display device; and

a processor adapted to communicate with the display device, the display device and the processor adapted to:

- 5 (a) display a plurality of inputs;
 - (b) generate values when a player picks the inputs;
 - (c) display the values in a plurality of different sets of values;
 - (d) generate awards from the sets by performing at least one mathematical operation on values from the plurality of different sets; and
 - (e) generate a resulting award by applying at least one Boolean operator, including a Boolean OR operator, to the awards from the plurality of different sets.
- 15 24. The gaming device of Claim 23, wherein the display device and the processor are adapted to apply the Boolean OR operator to a plurality of the awards and select the highest award from the plurality of awards.

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5. A gaming device comprising:

a display device; and

a processor which communicates with the display device, the display device and the processor adapted to:

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- (a) display a plurality of inputs;
- (b) generate values when a player picks the inputs;
- (c) display the values in a plurality of different sets of values;
- (d) generate awards from the sets by applying at least one Boolean operator to the values of the different sets, including a Boolean OR operator; and

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(e) generate a resulting award by performing at least one mathematical operation on the awards from the plurality of different sets.